

Figure 1A

B

$$\Delta ASA = (ASA_{\text{unfolded unit}} + ASA_{\text{complimentary}}) - (ASA_{\text{native unit}})$$

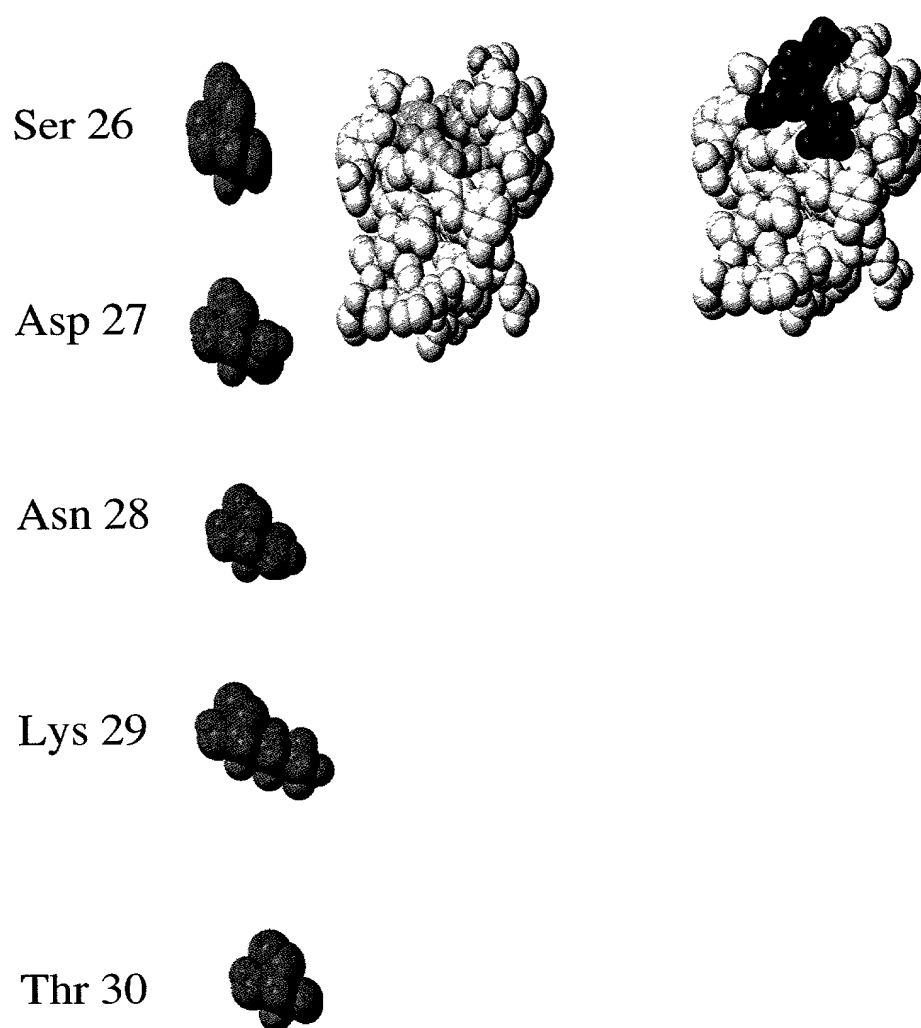


Figure 1

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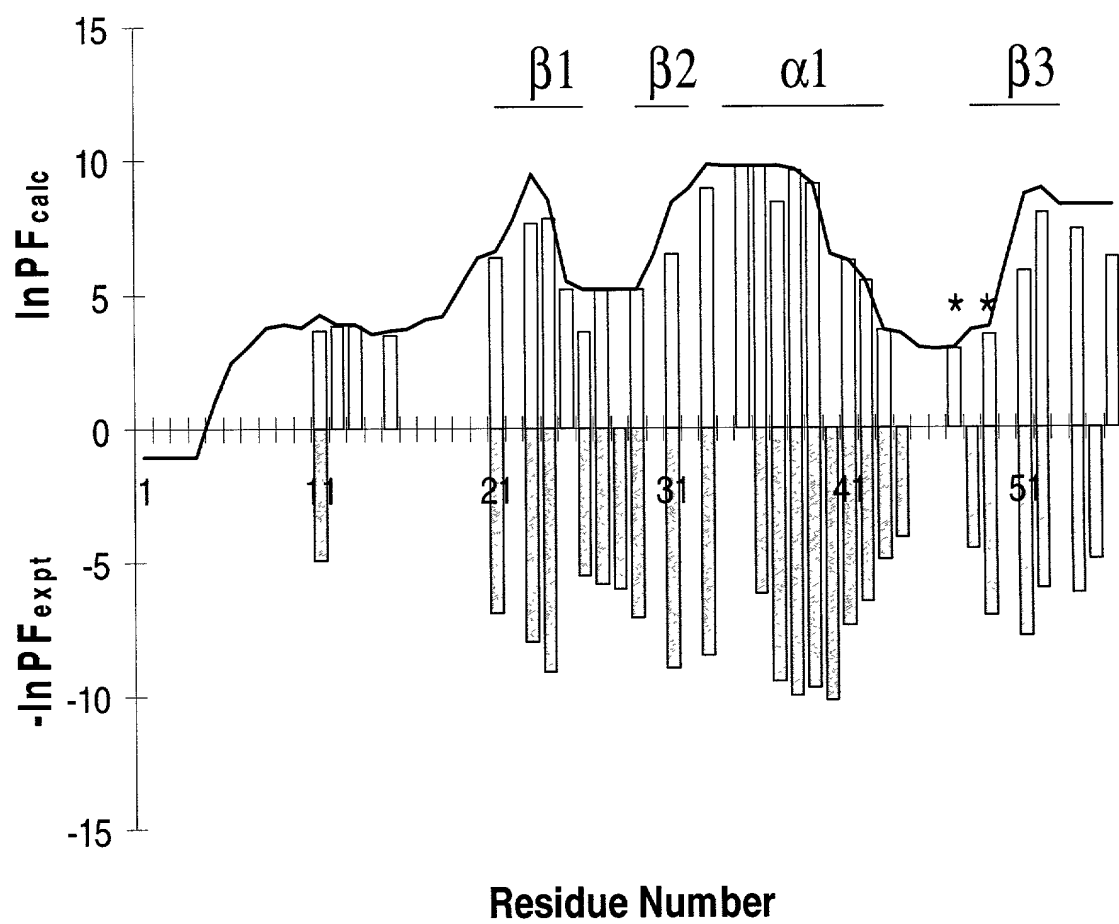


Figure 2

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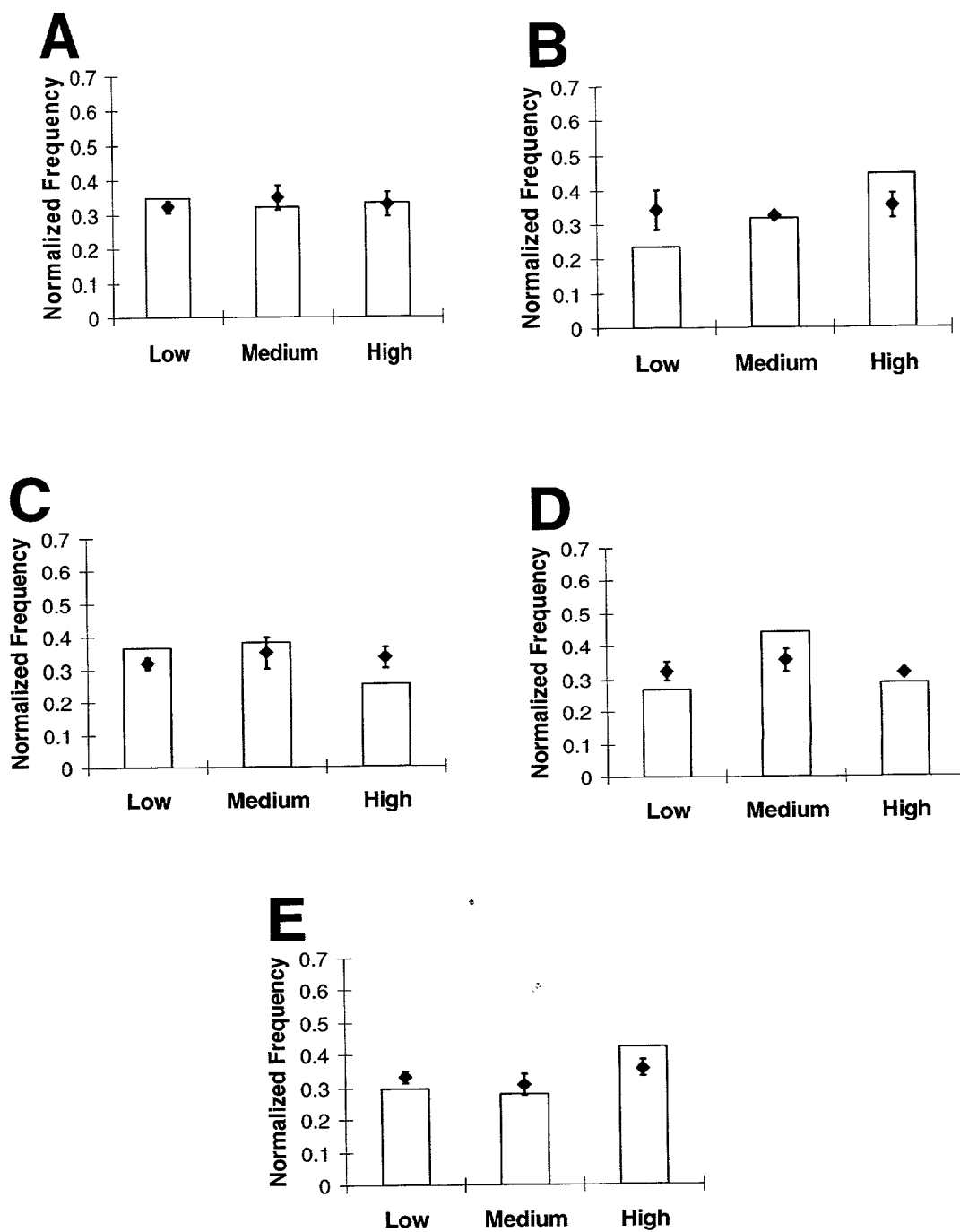


Figure 3

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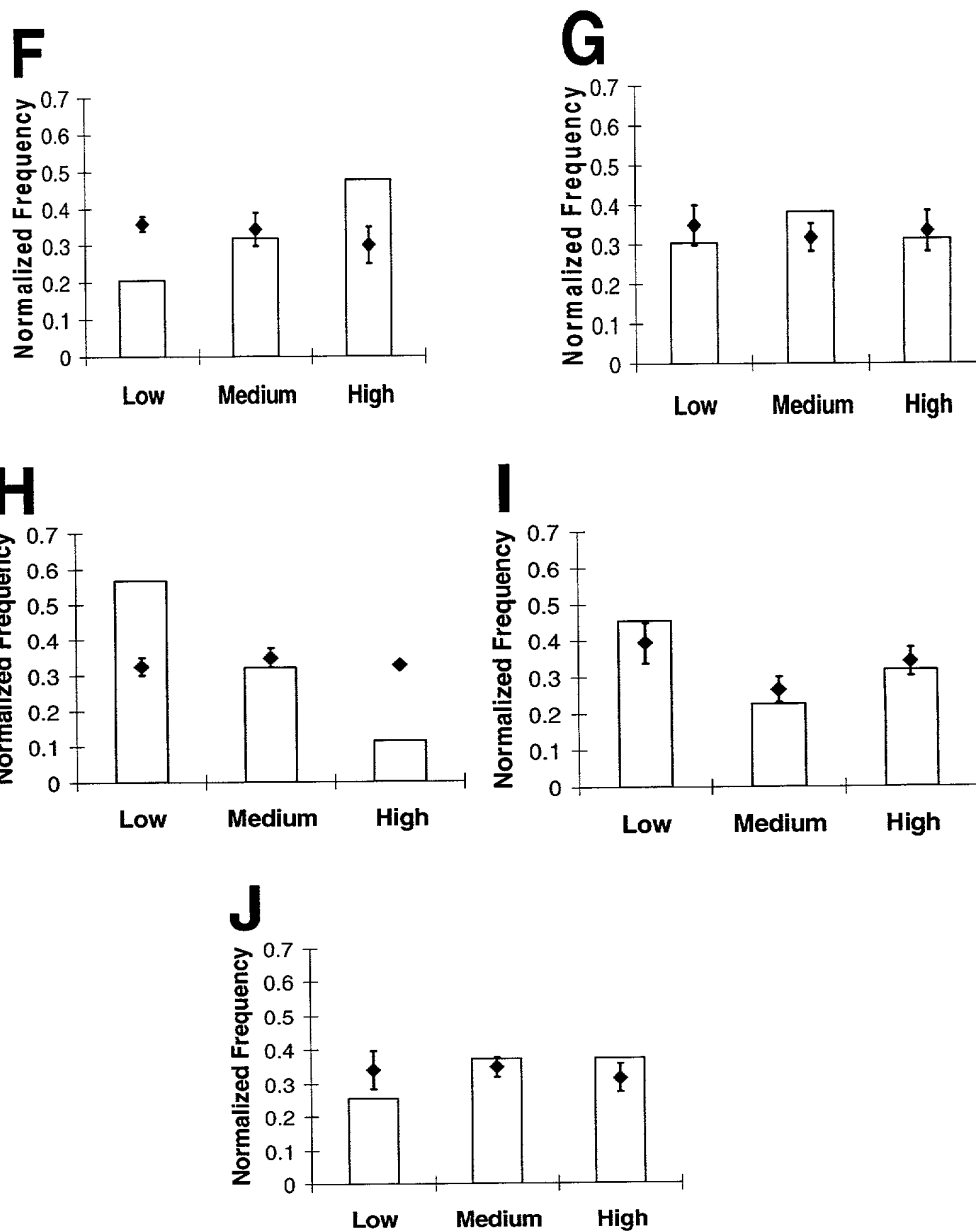


Figure 3

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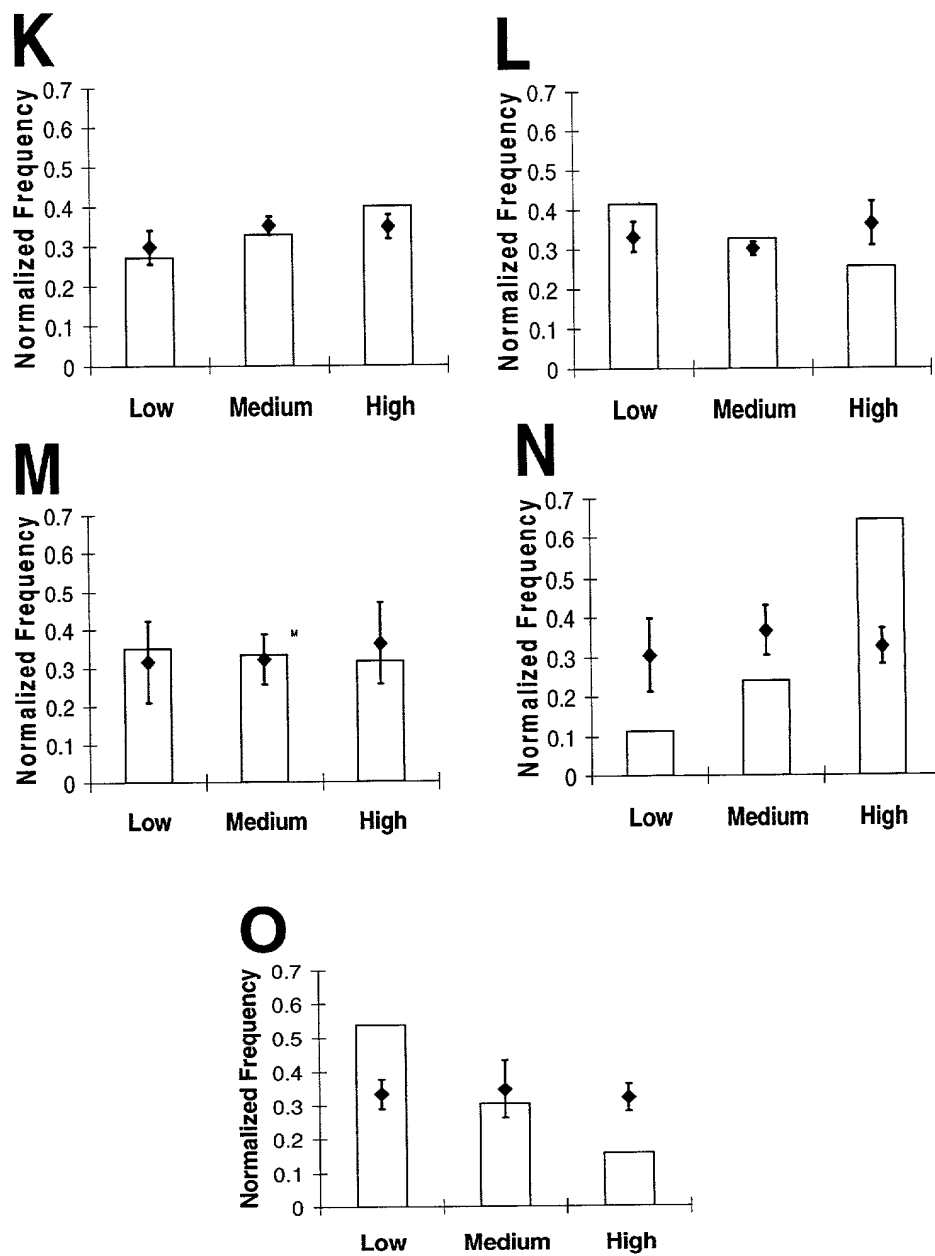


Figure 3

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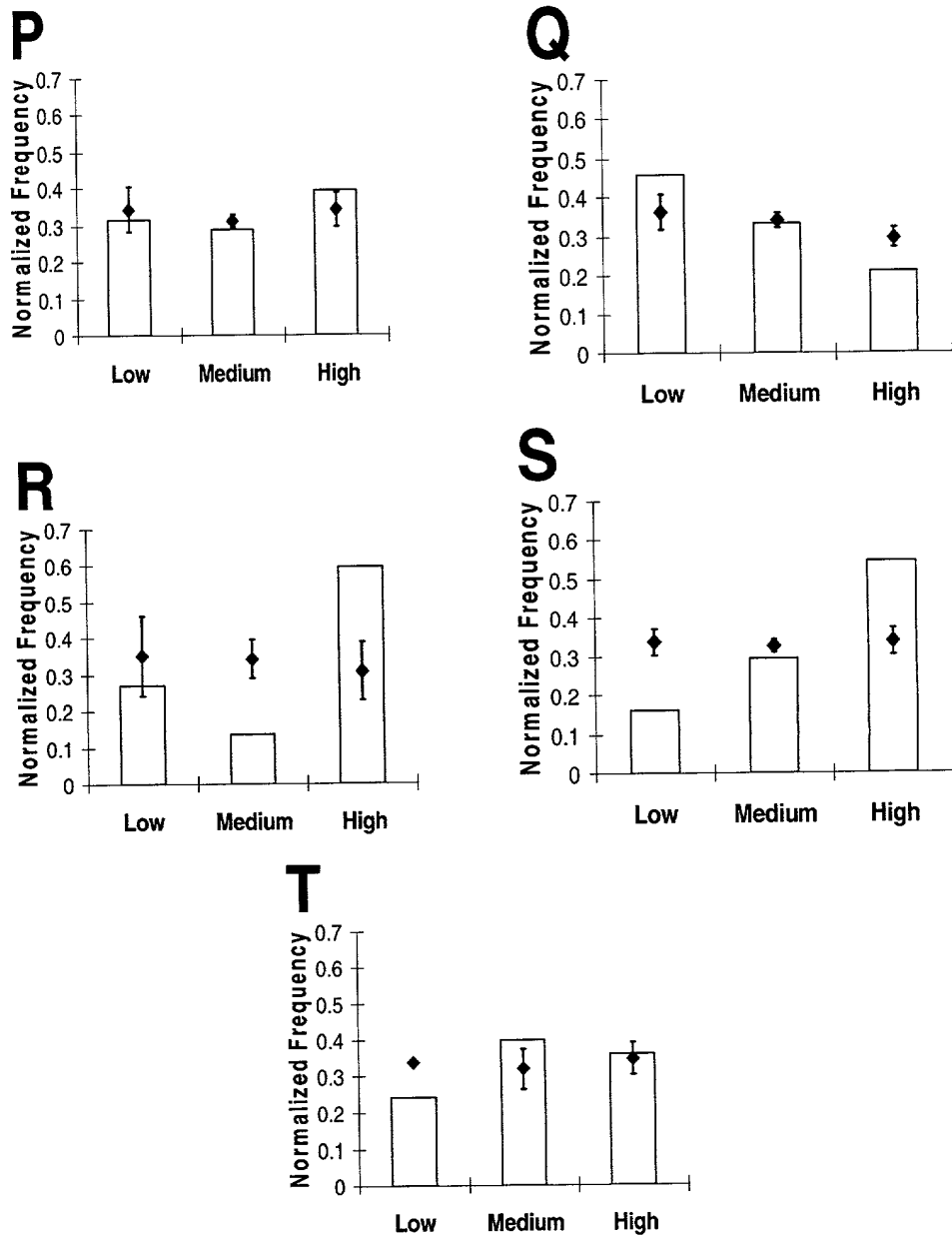


Figure 3

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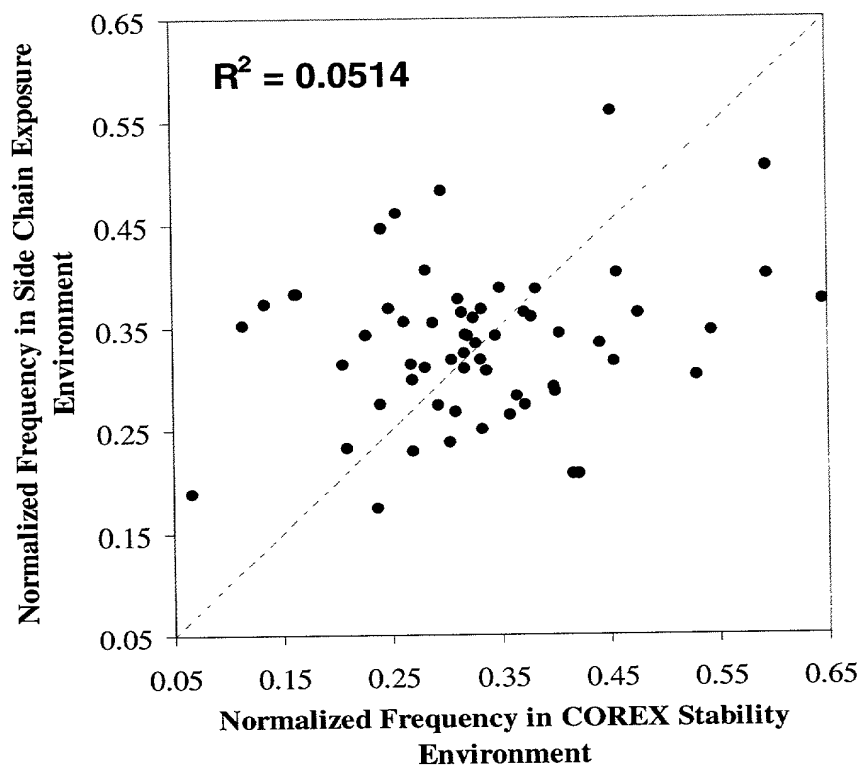


Figure 4

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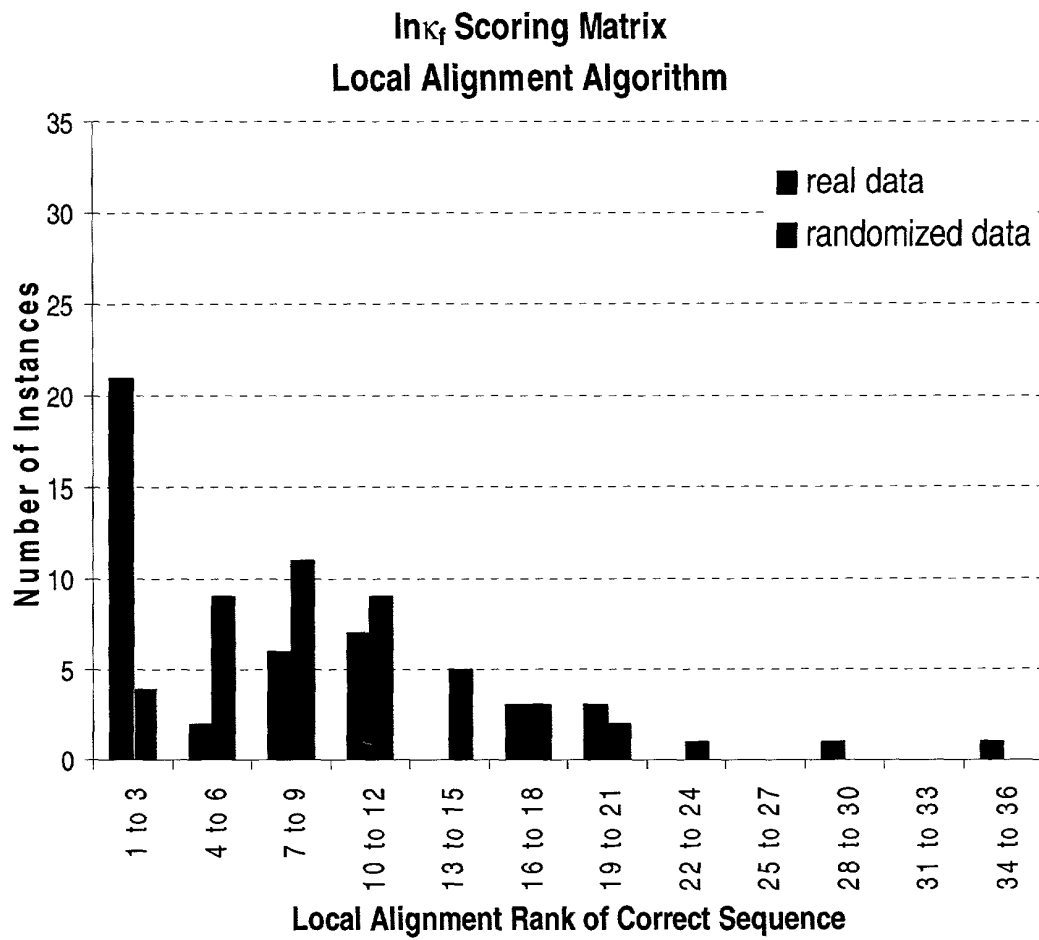


Figure 5A

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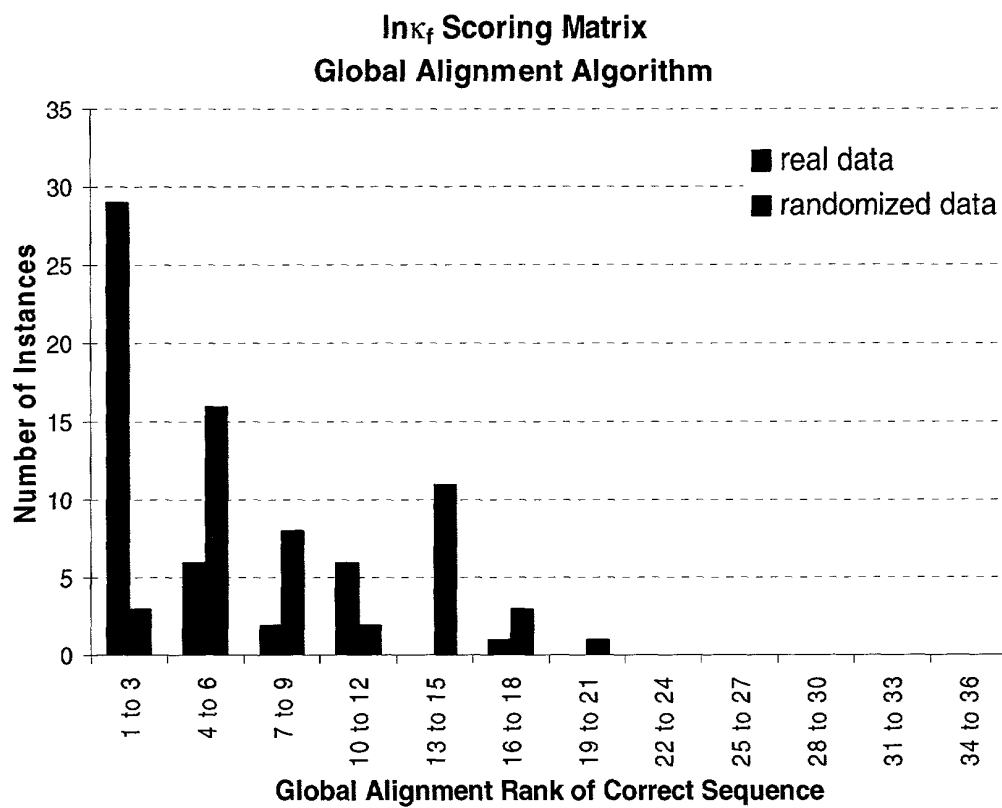


Figure 5B

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Secondary Structure Scoring Matrix
Local Alignment Algorithm

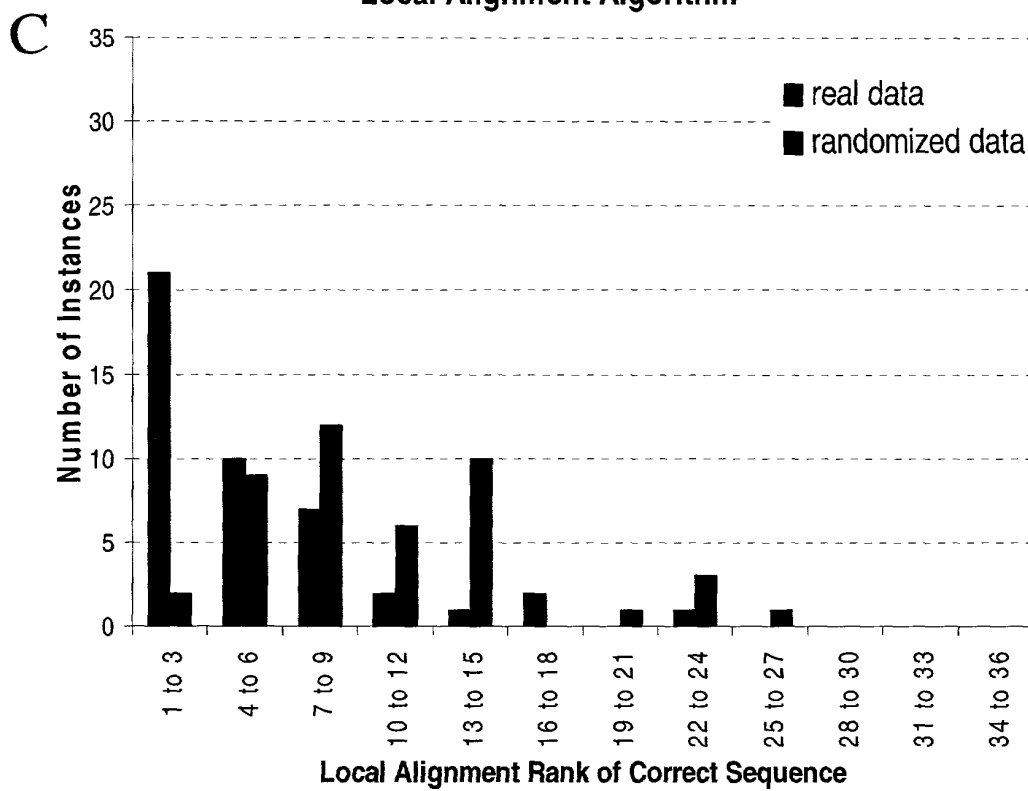


Figure 5

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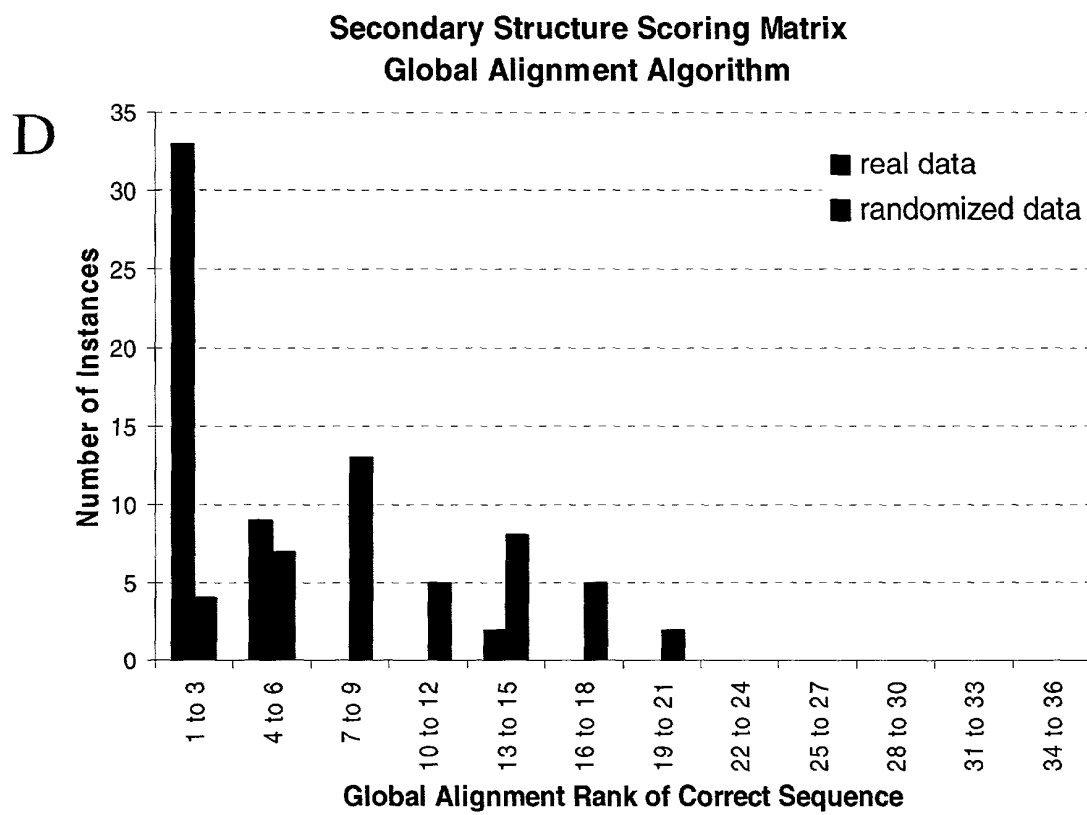


Figure 5

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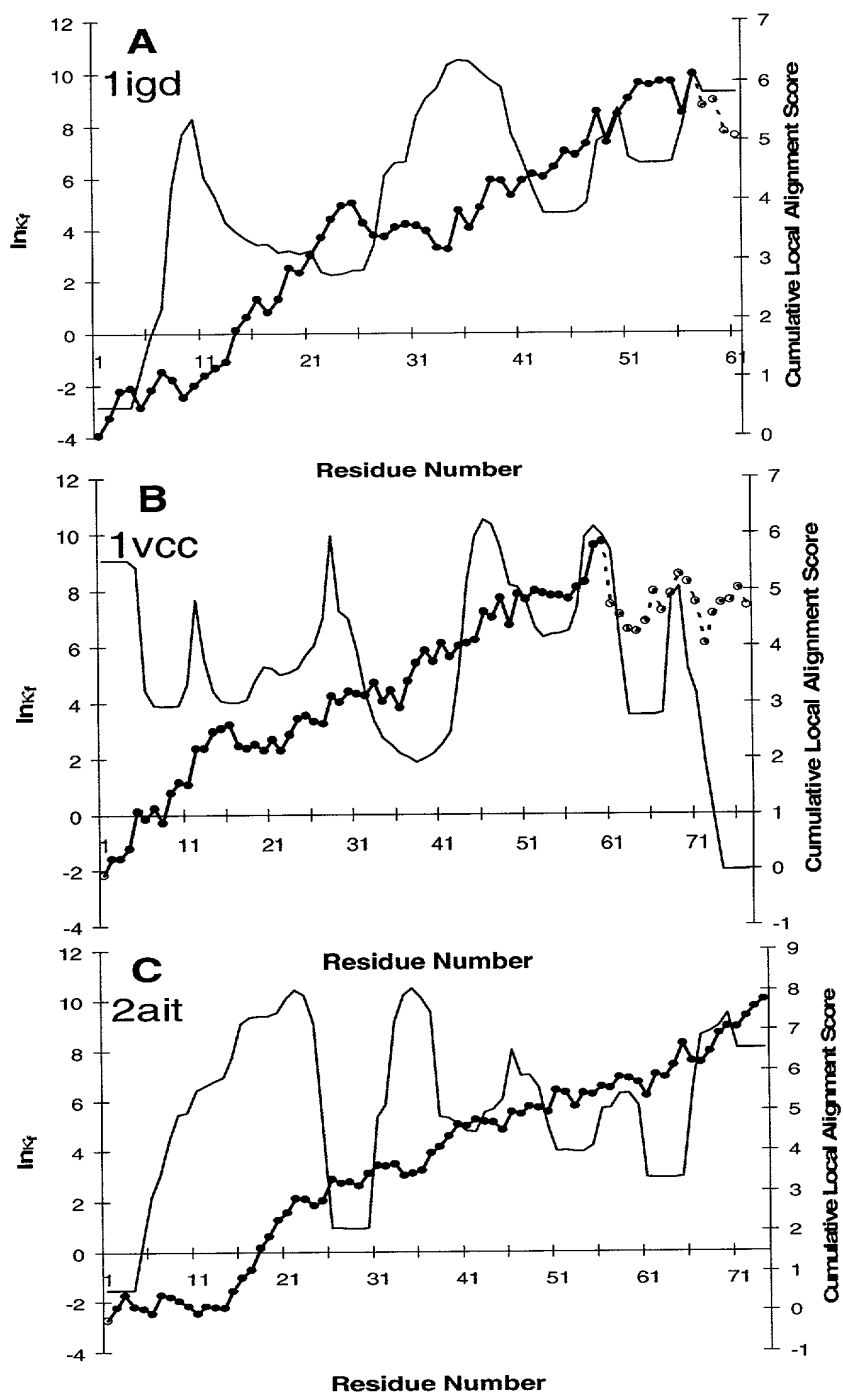


Figure 6

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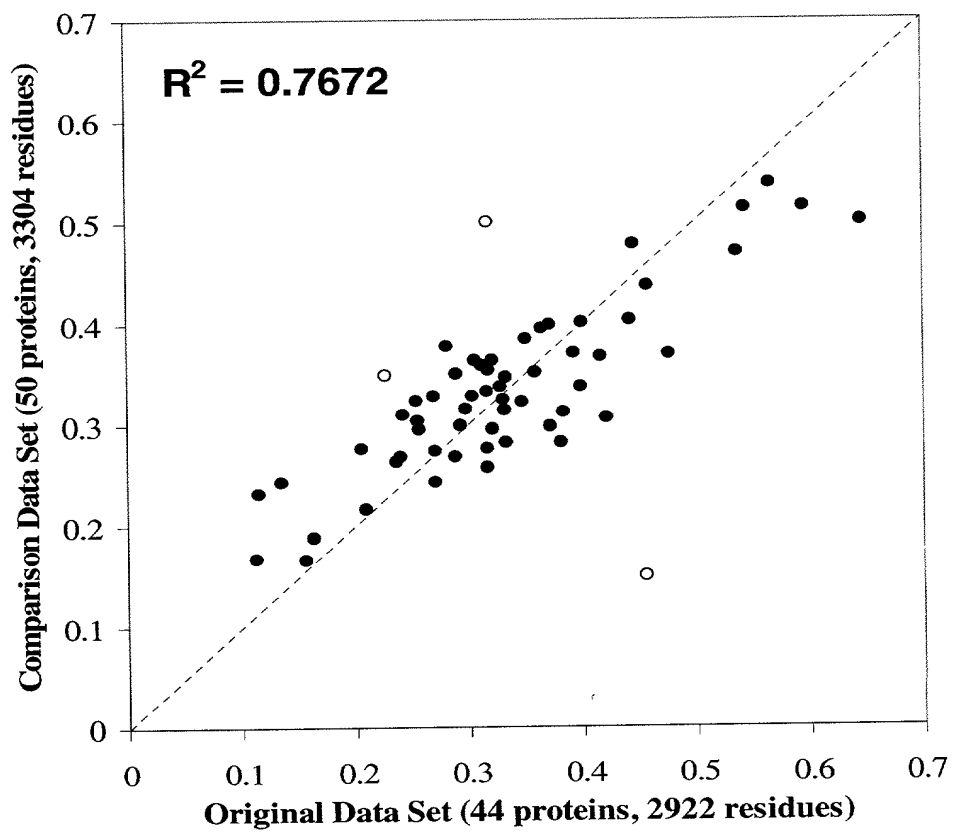
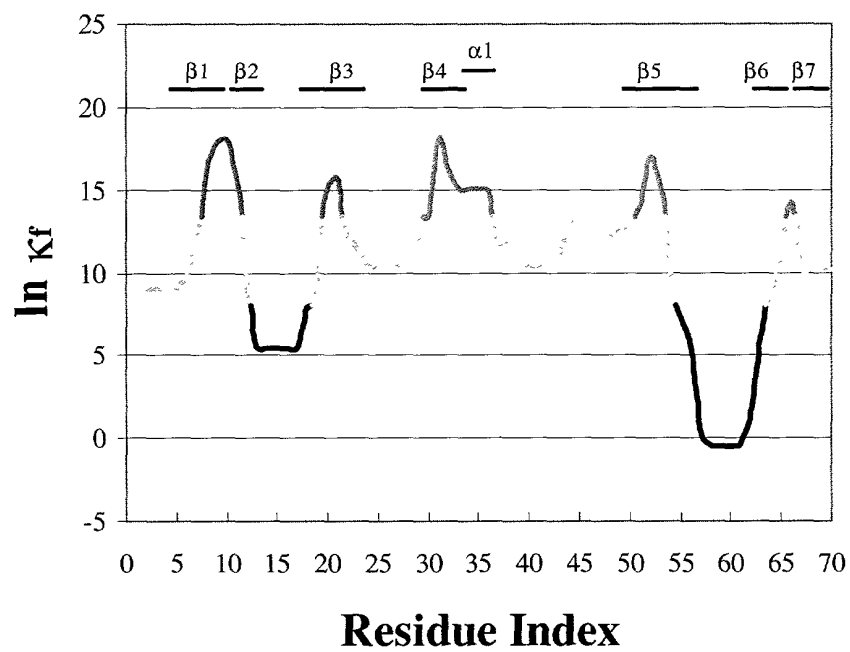


Figure 7

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A

CspA (1MJC)



B



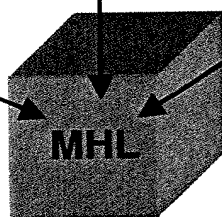
Figure 8

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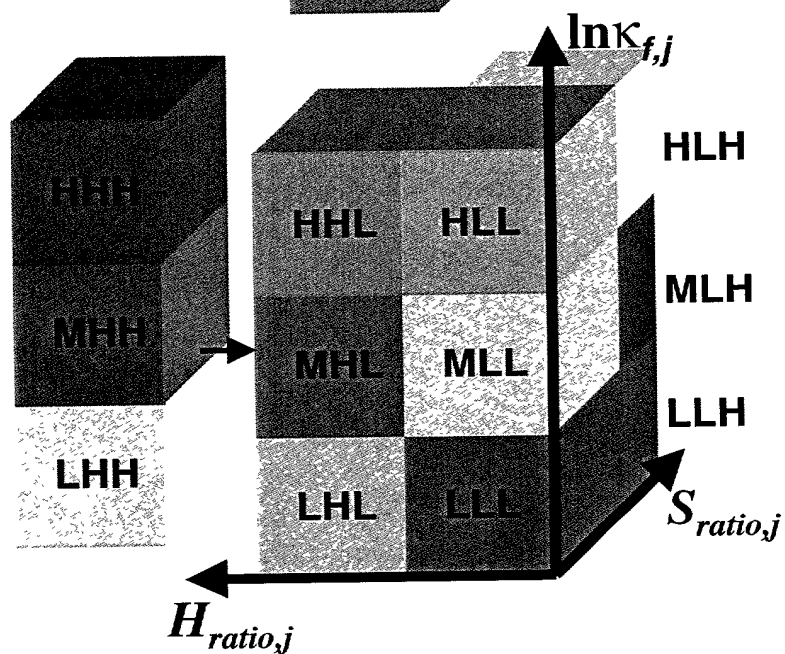
(a)

3 Stability Environments: Low (L), Medium (M), High (H) 2 Enthalpy Environments: Low (L), High (H) 2 Entropy Environments: Low (L), High (H)

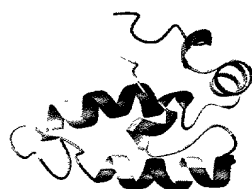
$$\kappa_{f,j} = \frac{\sum P_{f,j}}{\sum P_{nf,j}} \quad H_{ratio,j} = \frac{\Delta H_{pol,j}}{\Delta H_{apol,j}} \quad S_{ratio,j} = \frac{\Delta S_{conf,j}}{\Delta G_{solv,j}}$$



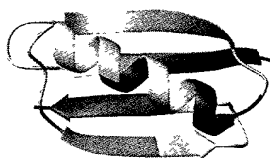
(b)



(c)



1HDJ:_
(All Alpha)



1PGB:_
(Alpha + Beta)



1SHG:_
(All Beta)

Figure 9

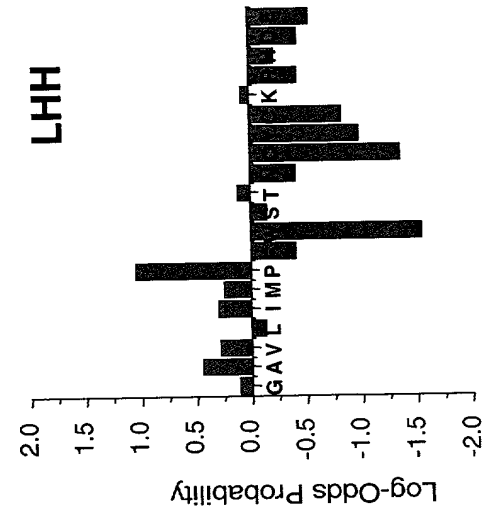
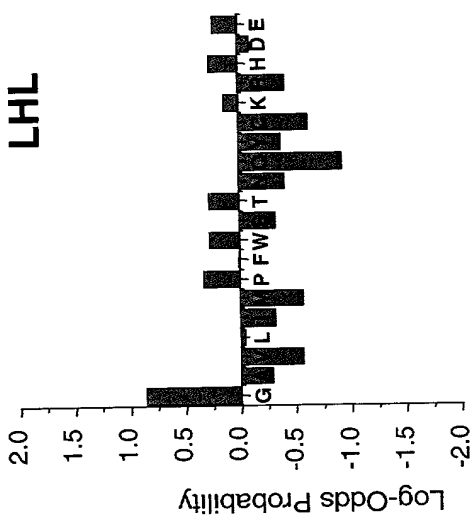


Figure 10A

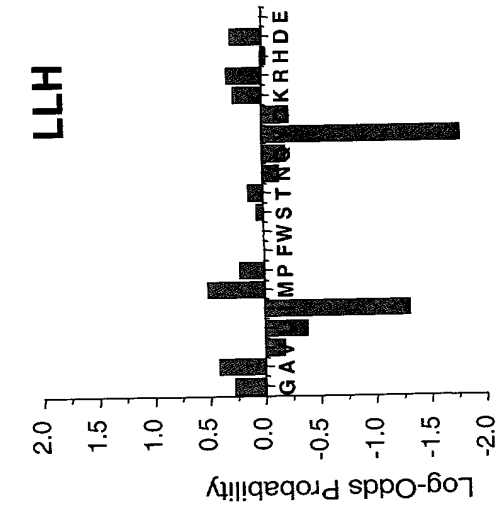
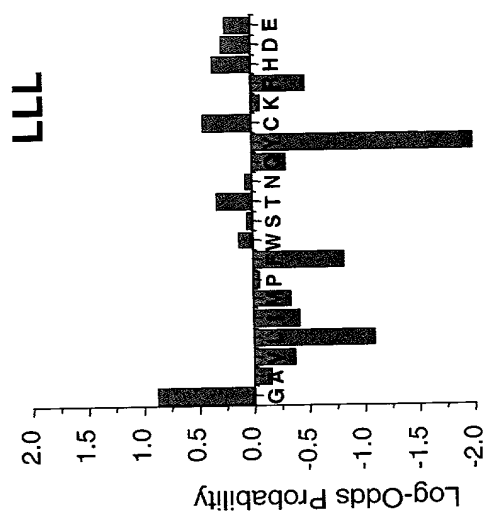


Figure 10B

Figure 10C

Figure 10D

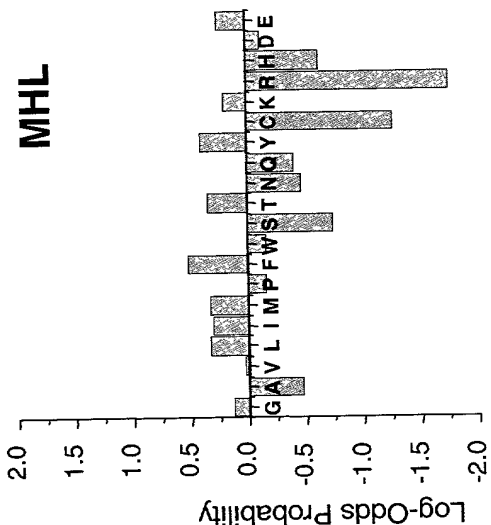
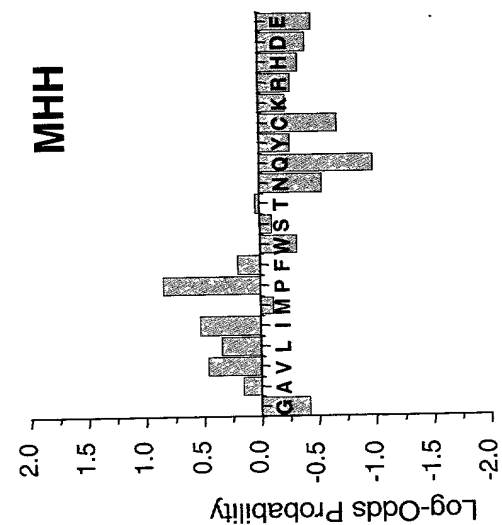


Figure 10E

Figure 10F

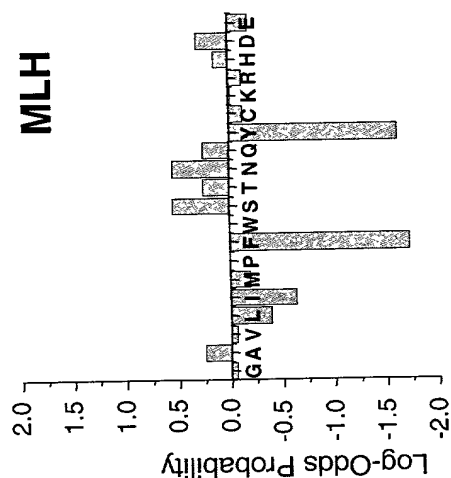


Figure 10G

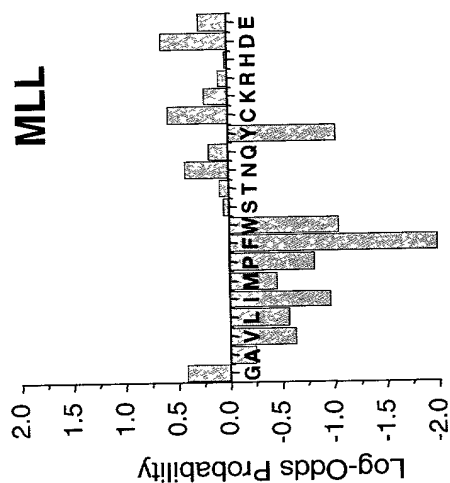


Figure 10H

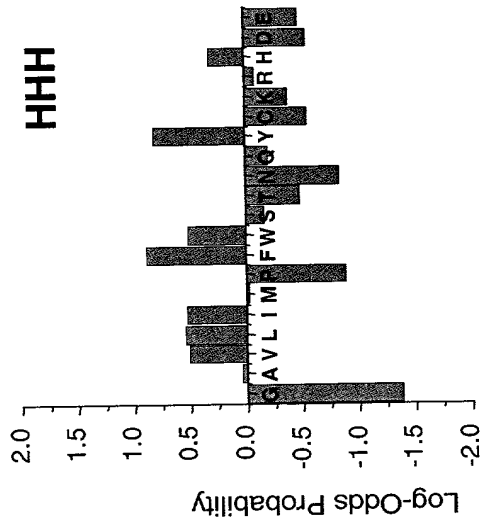


Figure 10I

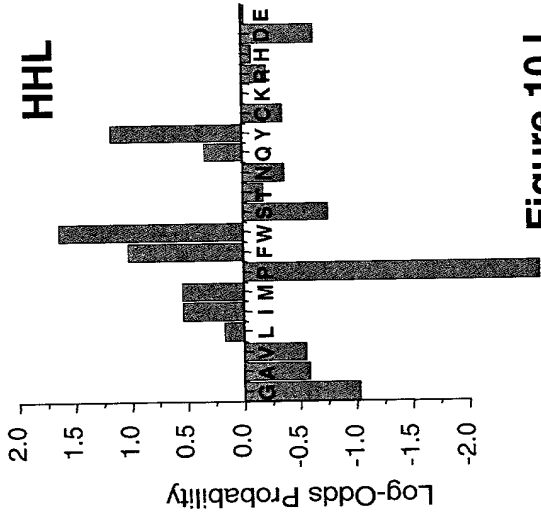


Figure 10J

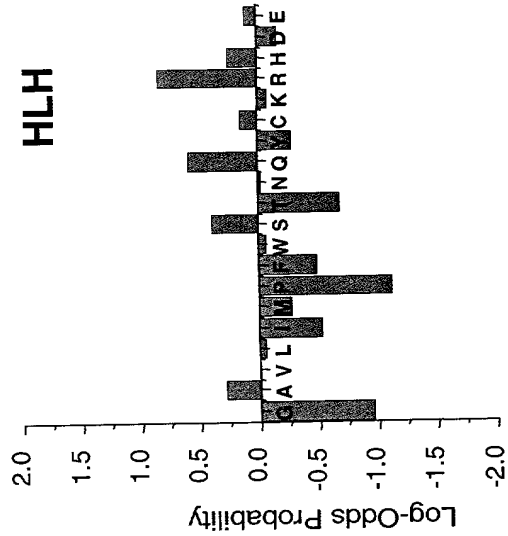


Figure 10K

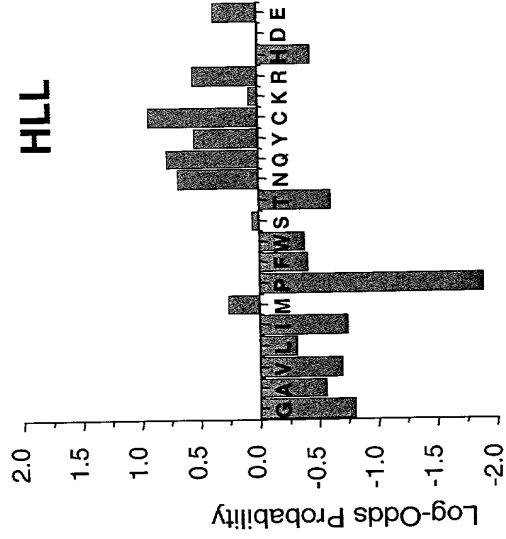
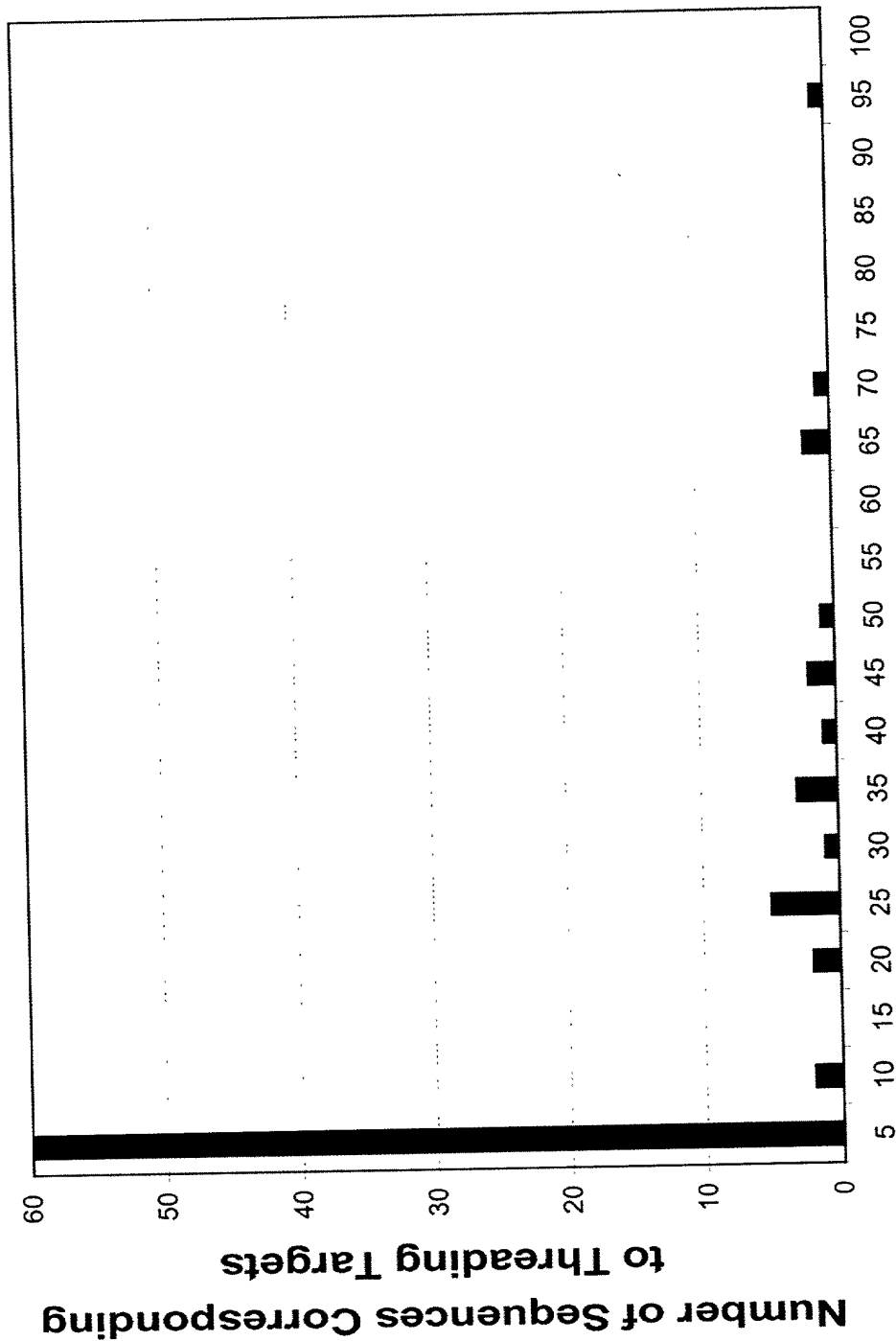


Figure 10L

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Percentile Rank of Sequence

Figure 11

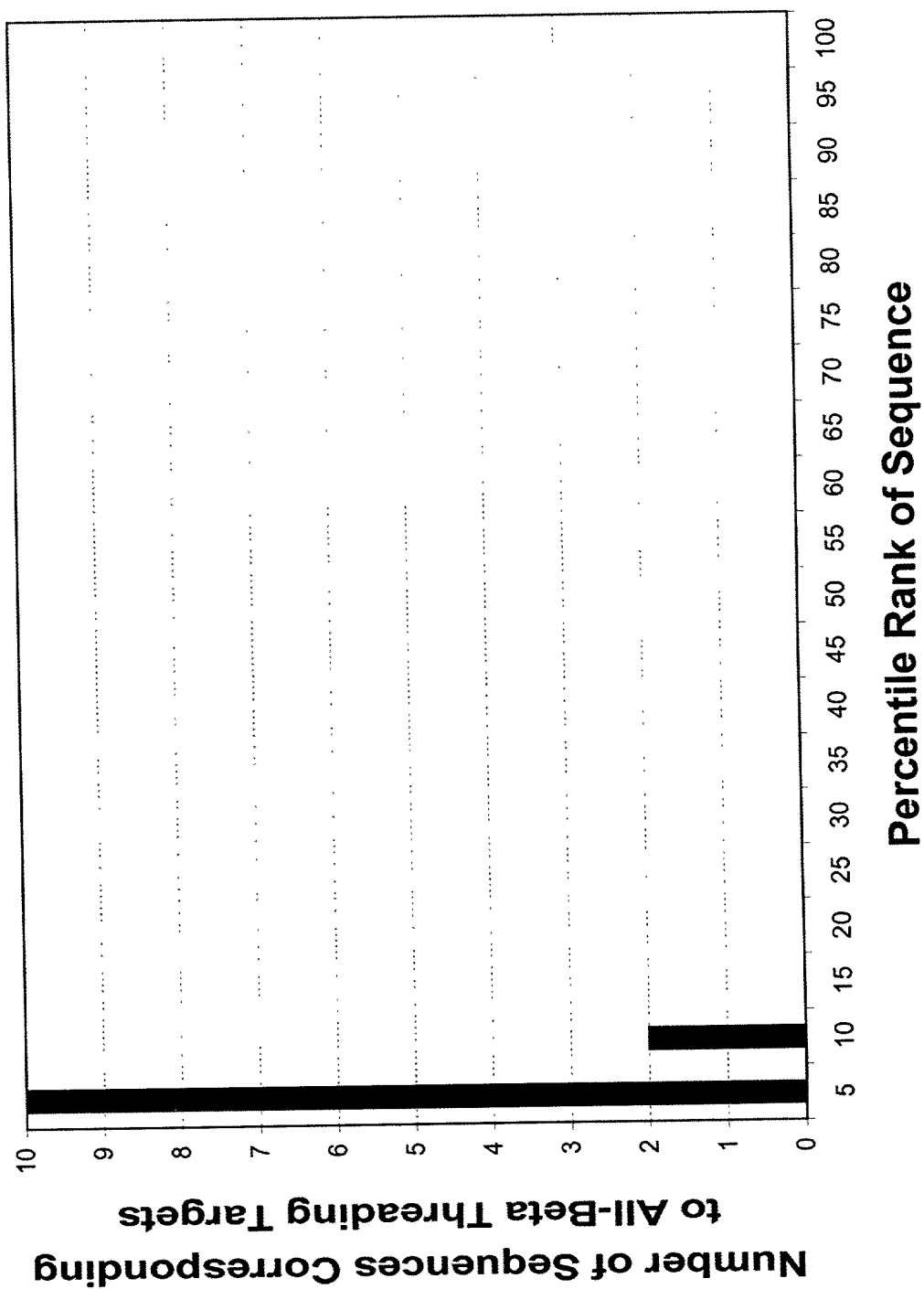


Figure 12